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Fall 2020

ME 408-101: Mechanical Systems Design II

Kevin Russel

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Mechanical System Design II (ME 408-101)

Instructor: Dr. K. Russell, P.E.

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Office: ~~333D MEC~~

Office Hours: ~~M-W-R end of class 9:00 p.m.~~

Course Summary

ME 408 emphasizes creativity and group coordination in the development of engineering design solutions.

Technical writing and technical briefing are also routine.

Prerequisites: Mechanical System Design I (ME 403)

Text

None (course material included in the downloadable file *BUNDLE.zip*)

DATES	TOPICS
09/02	1. Course Introduction & Types of Engineering Design Problems
09/09	2. The Engineering Design Process
09/16	3. Project Scheduling and Reporting (Deadline for Group & Project Selections)
09/23	4. Conveying Technical Findings
09/30	Project Status Presentations
10/07	5. Engineering Analysis Approaches, Engineering Design, Material and Safety Standards
10/14	Project Status Presentations
10/21	6. Report Review
10/28	Project Status Presentations
11/04	7. Report Review
11/11	Project Status Presentations
11/18	8. Report Review
12/02	Project Status Presentations
12/09	9. Report Review
12/16	Final Project Presentation, Report Submission and Poster Submission Deadline

Grading 75% final project report & poster, 25% project presentations (5 status and 1 final)

A \geq 90, 90>B \geq 85, 85>B \geq 80, 80>C \geq 75, 75>C \geq 70, 70>D \geq 60, 60>F

Policies Late reports will be penalized a letter grade.

There is a stiff penalty for any violation of the NJIT Honor Code (e.g., plagiarism, cheating, lack of involvement)

Link for Downloads <http://www.softalink.com/kruss/me408/BUNDLE.zip>